



Order Instituting Rulemaking to Implement the Commission; Procurement Incentive Framework and to Examine the Integration of Greenhouse Gas Emissions Standard into Procurement Policies.

Date: July 26, 2007

Rulemaking 06-04-009 (Filed April 13, 2006)

PREHEARING CONFERENCE STATEMENT OF WILD GOOSE STORAGE, LLC

GOODIN, MACBRIDE, SQUERI, DAY & LAMPREY, LLP Jeanne B. Armstrong 505 Sansome Street, Suite 900 San Francisco, CA 94111 Telephone: (415) 392-7900

Facsimile: (415) 398-4321

E-Mail: jarmstrong@goddinmacbride.com

Attorneys for Wild Goose Storage, LLC

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Order Instituting Rulemaking to Implement the Commission's Procurement Incentive Framework and to Examine the Integration of Greenhouse Gas Emissions Standard into Procurement Policies.

Rulemaking 06-04-009 (Filed April 13, 2006)

PREHEARING CONFERENCE STATEMENT OF WILD GOOSE STORAGE, LLC

In accord with the July 12, 2007 Administrative Law Judges' Ruling in the above captioned proceeding ("July 12 Ruling"), Wild Goose Storage, LLC, hereby submits this prehearing conference statement addressing the natural gas inquiry phase of the Commission's Rulemaking regarding greenhouse gas ("GHG") emissions. As defined in the July 12 ruling, "the natural gas inquiry in Phase 2 will address GHG emissions associated with (1) combustion of natural gas by non-electricity generation and end-use customers, and (2) all transmission, distribution and storage of natural gas within California.

I. WILD GOOSE'S INTEREST IN THE PROCEEDING

Wild Goose is an independent natural gas storage service provider, receiving its certificate of public convenience and necessity from the Commission in June 1997.¹ At that time, Wild Goose became authorized to provide firm and interruptible storage services from storage facilities to be constructed in Butte County, California and interconnected to PG&E's Line 167 Sacramento Valley Local Transmission System. Wild Goose commenced service from that facility in April 1999. In July 2002, Wild Goose received Commission authorization to expand the size of its storage facility from the then current 14 Bcf inventory capacity (with a

_

See Commission Decision 97-06-091.

concomitant injection capacity of 80 MMcf/d and withdrawal capacity of 200 MMcf/d) to 29 Bcf inventory capacity (with a concomitant injection capacity of 450 MMcf/d and withdrawal capacity of 700 MMcf/d), and to construct approximately 25 miles of pipeline to interconnect its facility to the PG&E Line 400 backbone transmission system.²

As a natural gas storage service provider in California, Wild Goose is regulated by the California Public Utilities Commission and, as a result, is a named respondent in this proceeding.³ Accordingly, Wild Goose will be directly impacted by any regulations adopted by the Commission to address GHG emissions, as well as any comparable regulations which will be adopted by the California Air Resources Board.

II. COMMENTS ON STAFF RECOMMENDATIONS

Appended to the July 12 Ruling is a Report denoting "Preliminary Staff Recommendations for Treatment of Natural Gas Sector Greenhouse Gas Emissions" ("Staff Report"). The July 12 Ruling invites parties to comment on these preliminary recommendations. As summarized in the July 12 Ruling, those recommendations are as follows.

- 1. If a cap and trade regime is established for the California economy, the natural gas sector should be a capped sector.⁴
 - a. Emissions from a smaller natural gas end-user should be regulated at the distribution utility level with a natural gas sector cap. Whereas larger natural gas end-users should be regulated as point sources and not as part of the natural gas sector.
 - b. Electric generation natural gas customers should be treated as part of the electric sector, not the natural gas sector.
 - c. Emissions from transportation related uses of natural gas should be addressed by

_

See Commission Decision 02-07-036.

See Decision 07-05-059, Second Order Amending Order Instituting Rulemaking, R. 06-04-009 (May 24, 2007) p. 12, Ordering Paragraph 4 (making Wild Goose a respondent to the proceeding).

Note that Staff has specifically recommended that natural gas-related emissions should be capped. See Staff Report at p. 2

ARB as part of the transportation sector, not the natural gas sector.

- d. Emissions associated with the transmission, distribution, and storage of natural gas for all end users should be regulated within the natural gas sector cap.
- 2. In Phase 2, policy issues regarding the framework for GHG emission regulation for the natural gas sector (such as described above) would be handled separately from the electricity sector issues.
- 3. Phase 2 would not consider GHG emissions reporting and tracking or 1990 baseline emissions for the natural gas sector, with those issues to be addressed instead through ARB processes.
- 4. Staff would issue a data request to obtain natural gas entities current emission data.
- 5. Electricity and natural gas sector inquiries in Phase 2 would be combined regarding emission reduction measures, annual sector emission caps, flexible compliance mechanisms and entity specific allowance allocations.

As explained below, Wild Goose's primary concern with certain of these recommendations is that given the progress which has already been made by the Commission and parties to this proceeding with respect to a number of the GHG issues vis-à-vis the electricity sector, deliberations on comparable issues for the natural gas sector may not have a reasonable chance to be properly deliberated and/or may be unduly influenced by previously made determinations for the electricity sector.

For example, Staff recommends that GHG emissions from the natural gas sector be capped. Such recommendation relies primarily on the work previously done by the Commission in reaching its determination in Decision 06-02-032 that a load based cap was the preferred mechanism to control GHG emissions associated with the electric sector. Wild Goose is not opining at this point as to what it believes is the best approach, it would only submit that the Commission undertake a comparable analysis for the natural gas sector given the variances

_

See Staff Report at p. 13

between the industries⁶

A broader indication of Wild Goose's concern can be found in the July 13, 2007, Revised Schedule for this proceeding which was issued by Commission's Director of Strategic Planning and Project Manager for this Docket. The schedule indicates that several of the inquiries which the above recommendations indicate would be combined for the natural gas and electricity sectors have already commenced without input from the natural gas sector. For example, recommendation no. 5 indicates that flexible compliance mechanisms would be a matter of joint inquiry. However, the July 13 schedule indicates that a workshop to identify issues and review the electricity sector's flexible compliance regimes in other jurisdictions was held on April 20th, with a straw staff proposal recommending flexible compliance mechanisms to be available in the electricity sector to be issued on September 14th. Wild Goose thus questions when the issues surrounding the natural gas sector flexible compliance mechanisms are to be vetted. Similarly, the July 13 schedule indicates that a Staff preliminary paper on emission reduction measures for the electric sector is to be released on August 2, with comments due on September 6. If, as set forth in the Staff's recommendations for the treatment of GHG emissions from the natural gas sector, the issue of emissions reduction measures is to be a joint inquiry for both the natural gas and electric sectors, Wild Goose queries how and or when Staff is going to consider emission reduction measures for the natural gas sector. Finally, Wild Goose would note that a workshop has already been held to discuss entity specific allowance allocations, another topic which Staff recommends for joint inquiry. As indicated in a July 25, 2007 e-mail from this docket's project manner, a ruling is anticipated on August 1, 2007 requesting comments on entity specific

-

As noted in the Staff Report, at p. 7, The natural gas sector accounts for less than 14% of the states GHG emission, with the transmission, distribution and storage of natural gas account for less than 1/4 of one percent.

allocations. It is unclear to Wild Goose as to whether the Commission anticipates that the natural gas sector will participate in that round of comments.

In a similar vein, Wild Goose notes that Staff recommendation no. 2 above, would leave the issue of GHG emissions reporting for the natural gas sector to be addressed entirely through the ARB processes. In contrast, with respect to the electricity sector, Staff issued a straw proposal in mid June, after workshops were held at both the Commission and ARB (with documentation and suggestions by parties), with comments submitted earlier this month. As indicated in the June 12, 2007 Administrative Law Judges' Ruling accompanying the release of the straw proposal, a proposed decision on the issue is scheduled to be released in mid-August. The ruling indicated, however, that:

<u>Because ARB plans to finalize its own staff report on reporting requirements in October 2007</u>, we expect that the usual comment period for proposed decisions will be shortened, so that the Public Utilities Commission can consider the proposed decision at its September 6, 2007 meeting.⁷

Wild Goose is aware that ARB is under a statutory mandate to adopt regulations to require the reporting and verification of GHG emissions by January 1, 2008, thus driving the need to finalize its own staff report on the issue in October. Given this time frame, Wild Goose is concerned about how the reporting requirements for the natural gas sector will be derived and what input the industry will have.

III. COMMENTS ON PRELIMINARY SCHEDULE

As noted in the July 12 Ruling, in Decision 07-05-029, the Commission established a preliminary schedule for development of guidelines regarding GHG emissions policies for the natural gas sector. The ruling seeks suggested modifications to that schedule. In this regard,

5

Administrative Law Judges' Ruling Regarding Comments on Staff Reporting Proposal, R. 06-04-009 (June 12, 2007) at p.4

Wild Goose would note that the schedule set forth in D. 07-05-029 is very vague, rendering it unclear as to when certain issues are to be considered. As discussed above, a detailed schedule was released in this docket on July 13. It is unclear how or if consideration of the natural gas sector issues would fit into this schedule.

The transmittal accompanying the July 13 schedule provided that the Commission is considering the issuance of a proposed decision in late December (in lieu of a previously planned Staff Report) which will include, among other things, recommendations on entity specific allowance allocations, emissions reduction measures, flexible compliance plans, and baseline development. Again, Wild Goose questions the possibility of being able to have careful deliberations of all the identified issues as they relate to the natural gas sector in this limited timeframe.

The July 12 Ruling queried parties as to their opinions about the priority assigned to different issues. For Wild Goose the issue of primary importance in this proceeding is entity specific allowance allocations. Specifically, Wild Goose is concerned as to the extent which any such allocations will impact its ability to build out it current storage facility to its certificated level of 29 Bcf, or to effect any additional expansions of that facility in the future. Similarly, Wild Goose is concerned with the impact which any entity specific allocations could have on any future procurements of new or existing storage facilities in California. The Commission must afford adequate time to consider these issues vis-à-vis the potential impact on the enhancement of natural gas infrastructure in the state.

IV. CONCLUSION

As the Commission advances with its inquiry into GHG issues, Wild Goose would request that these issues, as they relate to the natural gas sector, be fully vetted rather than

relying on previous determinations made vis-à-vis the electric sector or on work product which has not received the input of the natural gas industry.

Respectfully submitted,

GOODIN, MACBRIDE, SQUERI, DAY & LAMPREY, LLP Jeanne B. Armstrong 505 Sansome Street, Suite 900 San Francisco, California 94111 Telephone: (415) 392-7900

Facsimile: (415) 398-4321

E-mail: jarmstrong@goodinmacbride.com

By <u>/s/ Jeanne B. Armstrong</u>
Jeanne B. Armstrong

Attorneys for Wild Goose Storage, LLC

July 26, 2007

3278/005/X91124.v1

CERTIFICATE OF SERVICE

I, Melinda LaJaunie, certify that I have on this 26th day of July 2007 caused a copy of the foregoing **PREHEARING CONFERENCE STATEMENT OF WILD GOOSE STORAGE, LLC; R.06-04-009** to be served by electronic e-mail, on all parties to this proceeding and to the parties below by Hand Delivery.

HAND DELIVERED

ALJ Jonathan Lakrtiz California Public Utilities Commission 505 Van Ness Avenue, Room 5202 San Francisco, California 94102

HAND DELIVERED

ALJ Meg Gottsteinz California Public Utilities Commission 505 Van Ness Avenue, Room 5044 San Francisco, California 94102

HAND DELIVERED

Commissioner Michael R. Peevey California Public Utilities Commission 505 Van Ness Avenue San Francisco, California 94102

HAND DELIVERED

ALJ Charlotte Terkeurst California Public Utilities Commission 505 Van Ness Avenue San Francisco, California 94102

I declare under penalty of perjury that the foregoing is true and correct.

Executed this 26th day of July 2007 at San Francisco, California.

<u>/s/Melinda LaJaunie</u> Melinda LaJaunie

Service List R.06-04-009 (Updated July 35, 2007)

ANDREW BROWN ARNO HARRIS BARBARA R. BARKOVICH COLIN PETHERAM colin.petheram@att.com brbarkovich@earthlink.net abb@eslawfirm.com arno@recurrentenergy.com ASHLEE M. BONDS BRENDA LEMAY ALLEN K. TRIAL Eugene Cadenasso abonds@thelen.com atrial@sempra.com brenda.lemay@horizonwind.com cpe@cpuc.ca.gov ANN L. TROWBRIDGE DALLAS BURTRAW AUDREY CHANG CARL PECHMAN achang@nrdc.org atrowbridge@daycartermurphy.c burtraw@rff.org cpechman@powereconomics.co ADAM BRIONES CHRIS MARNAY adamb@greenlining.org AUDRA HARTMANN C_Marnay@1b1.gov CATHY S. WOOLLUMS Audra.Hartmann@Dynegy.com cswoollums@midamerican.com Anne Gillette CATHIE ALLEN aeg@cpuc.ca.gov ANDREW ULMER californiadockets@pacificorp.co **CURT BARRY** aulmer@water.ca.gov curt.barry@iwpnews.com Andrew Campbell agc@cpuc.ca.gov ANDREA WELLER CARLA PETERMAN CURTIS L. KEBLER aweller@sel.com carla.peterman@gmail.com curtis.kebler@gs.com ANN G. GRIMALDI agrimaldi@mckennalong.com ELIZABETH BAKER IAN CARTER CYNTHIA SCHULTZ bbaker@summitblue.com carter@ieta.org cynthia.schultz@pacificorp.com AIMEE BARNES aimee.branes@ecosecurities.com **BUD BEEBE** CASE ADMINISTRATION DANIEL A. KING bbeebe@smud.org case.admin@sce.com daking@sempra.com ADAM J. KATZ ajkatz@mwe.com B. B. BLEVINS CATHY A. KARLSTAD DAN ADLER bblevins@energy.state.ca.us cathy.karlstad@sce.com Dan.adler@calcef.org AKBAR JAZAYEIRI BRIAN T. CRAGG CARMEN E. BASKETTE DAN SILVERIA akbar.jazayeri@sce.com bcragg@goodinmacbride.com dansvec@hdo.net cbaskette@enernoc.com ALEXIA C. KELLY akelly@climatetrust.org BETH VAUGHAN CLARE BREIDENICH DAVID L. MODISETTE beth@beth411.com cbreidenich@yahoo.com dave@ppallc.com ALAN COMNES BETTY SETO CLIFF CHEN DAVID BRANCHCOMB alan.comnes@nrgenergy.com Betty.Seto@kema.com cchen@ucsusa.org david@branchcomb.com ALDYN HOEKSTRA aldyn.hoekstra@paceglobal.com WILLIAM H. CHEN DAVID REYNOLDS bill.chen@constellation.com CALIFORNIA ENERGY davidreynolds@ncpa.com AMBER MAHONE MARKETS amber@ethree.com BILL SCHRAND cem@newsdata.com DOUGLAS BROOKS bill.schrand@swgas.com dbrooks@nevp.com AIMEE M. SMITH Charlotte TerKeurst amsmith@sempra.com BRUNO JEIDER cft@cpuc.ca.gov DONALD BROOKHYSER bjeider@ci.burbank.ca.us deb@a-klaw.com ANDREW BRADFORD CHRISTOPHER A. HILEN andrew.bradford@constellation.c BARRY LOVELL chilen@sppc.com DEBORAH SLON bjl@bry.com deborah.slon@doj.ca.gov CHRISTOPHER J. MAYER ANDREW MCALLISTER BRIAN M. JONES DENNIS M.P. EHLING chrism@mid.org dehling@klng.com andrew.mcallister@energycenter. bjones@mjbradley.com CHRISTOPHER J. WARNER BRIAN K. CHERRY DENISE HILL cjw5@pge.com ANDREW J. VAN HORN Denise_Hill@transalta.com bkc7@pge.com andy.vanhorn@vhcenergy.com CYNTHIA MITCHELL BARRY F. MCCARTHY ckmitchell1@sbcglobal.net DEREK MARKOLF MIKE LAMOND bmcc@mccarthylaw.com derek@climateregistry.org anginc@goldrush.com CATHERINE M. KRUPKA BRIAN MCQUOWN DAN HECHT ckrupka@mwe.com bmcquown@reliant.com ANITA HART dhecht@sempratrading.com CLARK BERNIER anita.hart@swgas.com BRIAN POTTS DAVID L. HUARD clark.bernier@rlw.com ANNABELLE MALINS bpotts@foley.com dhuard@manatt.com annabelle.malins@fco.gov.uk CLYDE MURLEY BALWANT S. PUREWAL clyde.murley@comcast.net DIANE I. FELLMAN ANNETTE GILLIAM diane_fellman@fpl.com bpurewal@water.ca.gov annette.gilliam@sce.com CAROLYN M. KEHREIN BARRY RABE WILLIAM F. DIETRICH cmkehrein@ems-ca.com brabe@umich.edu dietrichlaw2@earthlink.net

Diana L. Lee ERIC WANLESS HAYLEY GOODSON JENNIFER PORTER hayley@turn.org jennifer.porter@energycenter.org dil@cpuc.ca.gov ewanless@nrdc.org ELLEN WOLFE HOLLY B. CRONIN GERALD L. LAHR Don Schultz dks@cpuc.ca.gov ewolfe@resero.com hcronin@water.ca.gov JerryL@abag.ca.gov DOUGLAS MACMULLLEN ELIZABETH ZELLJADT HOWARD V. GOLUB JESUS ARREDONDO hgolub@nixonpeabody.com dmacmll@water.ca.gov ez@pointcarbon.com jesus.arredondo@nrgenergy.com DANIEL W. DOUGLASS FARROKH ALBUYEH J. ANDREW HOERNER Julie A. Fitch douglass@energyattorney.com farrokh.albuyeh@oati.net hoerner@redefiningprogress.org jf2@cpuc.ca.gov Donald R. Smith KAREN TERRANOVA CAROL J. HURLOCK JULIE GILL dsh@cpuc.ca.gov filings@a-klaw.com hurlock@water.ca.gov igill@caiso.com DARRELL SOYARS F. Jackson Stoddard **HUGH YAO** JEFFREY L. HAHN dsoyars@sppc.com fjs@cpuc.ca.gov hyao@semprautilities.com jhahn@covantaenergy.com FRANK LUCHETTI DEAN R. TIBBS Harvey Y. Morris JAMES ROSS dtibbs@aes4u.com fluchetti@ndep.nv.gov hym@cpuc.ca.gov jimross@r-c-s-inc.com DEVRA WANG MATTHEW FREEDMAN SUE KATELEY JJ PRUCNAL freedman@turn.org dwang@nrdc.org info@calseia.org jj.prucnal@swgas.com JOHN JENSEN DON WOOD WES MONIER JACK BURKE dwood8@cox.net fwmonier@tid.org jack.burke@energycenter.org jjensen@kirkwood.com **ED CHIANG** GARY BARCH JAMES W. KEATING JOSEPH M. KARP james.keating@bp.com echiang@elementmarkets.com gbarch@knowledgeinenergy.co jkarp@winston.com JANILL RICHARDS JOSEPH R. KLOBERDANZ Ed Moldavsky edm@cpuc.ca.gov GEORGE HOPLEY janill.richards@doj.ca.gov jkloberdanz@semprautilities.co george.hopley@barcap.com ELIZABETH WESTBY JEANNE B. ARMSTRONG GARY HINNERS egw@a-klaw.com jarmstrong@gmssr.com IOHN LAUN ghinners@reliant.com jlaun@apogee.net ELIZABETH W. HADLEY JASON DUBCHAK GLORIA BRITTON ehadley@reupower.com jason.dubchak@niskags.com JOHN W. LESLIE GloriaB@anzaelectric.org ileslie@luce.com E.J. WRIGHT Jamie Fordyce GREGGORY L. WHEATLAND JANE E. LUCKHARDT ej_wright@oxy.com jbf@cpuc.ca.gov glw@eslawfirm.com iluckhardt@downeybrand.com EVELYN KAHL JOHN B. WELDON, JR. ek@a-klaw.com GREGG MORRIS jbw@slwplc.com Jaclyn Marks gmorris@emf.net jm3@cpuc.ca.gov ELSTON K. GRUBAUGH JENNIFER CHAMBERLIN ekgrubaugh@iid.com MEG GOTTSTEIN jchamberlin@strategicenergy.co JODY S. LONDON gottstein@volcano.net jody_london_consulting@earthli ED LUCHA nk.net GREG BLUE ELL5@pge.com Judith Ikle JOSEPH M. PAUL greg.blue@sbcglobal.net jci@cpuc.ca.gov EDWARD VINE Joe.paul@dynegy.com elvine@lbl.gov GREGORY KOISER JONATHAN FORRESTER JOHN P. HUGHES gregory.koiser@constellation.co JDF1@PGE.COM MAHLON ALDRIDGE john.hughes@sce.com emahlon@ecoact.org JEFFERY D. HARRIS GRANT ROSENBLUM, ESQ. jdh@eslawfirm.com JOHN R. REDDING ELENA MELLO johnrredding@earthlink.net grosenblum@caiso.com emello@sppc.com JEANNE M. SOLE jeanne.sole@sfgov.org GLORIA D. SMITH Jonathan Lakritz EDWARD G POOLE gsmith@adamsbroadwell.com jol@cpuc.ca.gov JEFFREY P. GRAY epoole@adplaw.com GRACE LIVINGSTONjeffgray@dwt.com JOSEPH HENRI NUNLEY josephhenri@hotmail.com CALIFORNIA ISO gxl2@pge.com JEN MCGRAW e-recipient@caiso.com jen@cnt.org JOY A. WARREN HARVEY EDER joyw@mid.org EDWARD J. TIEDEMANN JENINE SCHENK harveyederpspc.org@hotmail.co JUDITH B. SANDERS etiedemann@kmtg.com jenine.schenk@apses.com jsanders@caiso.com

JANINE L. SCANCARELLI
jscancarelli@flk.com

JAMES D. SQUERI
jsqueri@gmssr.com

Jeorge S. Tagnipes
jst@cpuc.ca.gov

Joel T. Perlstein
jtp@cpuc.ca.gov

JULIE L. MARTIN
julie.martin@bp.com

JOSEPH F. WIEDMAN jwiedman@goodinmacbride.com

JAMES W. TARNAGHAN jwmctarnaghan@duanemorris.co m

JASMIN ANSAR jxa2@pge.com

KAREN MCDONALD karen.mcdonald@powerex.com

KAREN LINDH karen@klindh.com

KATHRYN WIG Kathryn.Wig@nrgenergy.com

KAREN BOWEN kbowen@winston.com

KENNETH A. COLBURN kcolburn@symbioticstrategies.co m

KIRBY DUSEL kdusel@navigantconsulting.com

KEITH R. MCCREA keith.mccrea@sablaw.com

KELLY BARR kelly.barr@srpnet.com

BILL LOCKYER ken.alex@doj.ca.gov

KEN ALEX ken.alex@doj.ca.gov

KERRY HATTEVIK kerry.hattevik@mirant.com

KEVIN BOUDREAUX kevin.boudreaux@calpine.com

KEVIN FOX kfox@wsgr.com

KAREN GRIFFIN kgriffin@energy.state.ca.us

KEVIN J. SIMONSEN kjsimonsen@ems-ca.com

KHURSHID KHOJA kkhoja@thelenreid.com

GREGORY KLATT klatt@energyattorney.com

KAREN NORENE MILLS kmills@cfbf.com

KIM KIENER kmkiener@fox.net

AVIS KOWALEWSKI kowalewskia@calpine.com

Kristin Ralff Douglas krd@cpuc.ca.gov

KENNY SWAIN kswain@powereconomics.com

KYLE L. DAVIS kyle.l.davis@pacificorp.com

KYLE SILON kyle.silon@ecosecurities.com

KYLE D. BOUDREAUX kyle_boudreaux@fpl.com

LARS KVALE lars@resource-solutions.org

LAURA I. GENAO Laura.Genao@sce.com

LISA A. COTTLE lcottle@winston.com

LISA DECARLO ldecarlo@energy.state.ca.us

LEILANI JOHNSON KOWAL leilani.johnson@ladwp.com

DONALD C. LIDDELL, P.C. liddell@energyattorney.com

LISA SCHWARTZ

LISA M. DECKER lisa.decker@constellation.com

LISA WEINZIMER lisa_weinzimer@platts.com

LAD LORENZ llorenz@semprautilities.com

LYNELLE LUND llund@commerceenergy.com

LYNN HAUG lmh@eslawfirm.com

James Loewen loe@cpuc.ca.gov

LAURIE PARK lpark@navigantconsulting.com

LEONARD DEVANNA lrdevannarf@cleanenergysystems.com

Lainie Motamedi lrm@cpuc.ca.gov

STEVE RAHON lschavrien@semprautilities.com

MARCEL HAWIGER marcel@turn.org

MARCIE MILNER marcie.milner@shell.com

MARY LYNCH mary.lynch@constellation.com

MAUREEN LENNON maureen@lennonassociates.com

BRUCE MCLAUGHLIN mclaughlin@braunlegal.com

MARC D. JOSEPH mdjoseph@adamsbroadwell.com

Meg Gottstein meg@cpuc.ca.gov

MERIDITH J. STRAND meridith.strand@swgas.com

MICHEL FLORIO mflorio@turn.org

MICHELLE GARCIA mgarcia@arb.ca.gov

MICHAEL A. HYAMS mhyams@sfwater.org

Matthew Deal mjd@cpuc.ca.gov

MARTIN A. MATTES mmattes@nossaman.com

MICHAEL MAZUR mmazur@3phases.com

MONICA A. SCHWEBS, ESQ. monica.schwebs@bingham.com

MICHAEL P. ALCANTAR mpa@a-klaw.com

MRW & ASSOCIATES, INC. mrw@mrwassoc.com

MICHAEL SCHEIBLE mscheibl@arb.ca.gov

Merideth Sterkel mts@cpuc.ca.gov

NADAV ENBAR nenbar@energy-insights.com

Nancy Ryan ner@cpuc.ca.gov

NORA SHERIFF nes@a-klaw.com

NICHOLAS LENSSEN nlenssen@energy-insights.com

NORMAN J. FURUTA norman.furuta@navy.mil

JESSICA NELSON notice@psrec.coop

NORMAN A. PEDERSEN npedersen@hanmor.com

NINA SUETAKE nsuetake@turn.org

S. NANCY WHANG nwhang@manatt.com

OBADIAH BARTHOLOMY obarto@smud.org

OLOF BYSTROM obystrom@cera.com

ORLANDO B. FOOTE, III ofoote@hkcf-law.com

PAM BURMICH pburmich@arb.ca.gov

PIERRE H. DUVAIR pduvair@energy.state.ca.us

JAN PEPPER pepper@cleanpowermarkets.com

PETER W. HANSCHEN phanschen@mofo.com

PHIL CARVER Philip.H.Carver@state.or.us

PHILLIP J. MULLER philm@scdenergy.com

PHILIP D. LUSK plusk@wecc.biz

PHILIP D. PETTINGILL ppettingill@caiso.com

PAUL M. SEBY pseby@mckennalong.com

Paul S. Phillips psp@cpuc.ca.gov

PAUL DELANEY pssed@adelphia.net

Rahmon Momoh rmm@cpuc.ca.gov robert.pettinato@ladwp.com

PATRICK STONER pstoner@lgc.org PATRICIA THOMPSON pthompson@summitblue.com Pamela Wellner pw1@cpuc.ca.gov RACHEL MCMAHON rachel@ceert.org RALPH E. DENNIS ralph.dennis@constellation.com RANDY S. HOWARD randy.howard@ladwp.com RANDY SABLE randy.sable@swgas.com RICHARD COWART rapcowart@aol.com RICHARD HELGESON rhelgeson@scppa.org RYAN WISER rhwiser@lbl.gov RICHARD SMITH richards@mid.org RICK C. NOGER rick_noger@praxair.com RITA NORTON rkmoore@gswater.com

rita@ritanortonconsulting.com RANDALL W. KEEN rkeen@manatt.com RONALD MOORE

RICHARD MCCANN, PH.D rmccann@umich.edu

ROBERT L. PETTINATO

ROGER C. MONTGOMERY roger.montgomery@swgas.com

ROGER PELOTE roger.pelote@williams.com

ROGER VAN HOY rogerv@mid.org

RONALD F. DEATON ron.deaton@ladwp.com

RASHA PRINCE rprince@semprautilities.com REED V. SCHMIDT rschmidt@bartlewells.com

ROBIN SMUTNY-JONES rsmutny-jones@caiso.com

REID A. WINTHROP rwintrop@pilotpowergroup.com

RYAN FLYNN ryan.flynn@pacificorp.com

STEPHANIE LA SHAWN S1L7@pge.com

SAEED FARROKHPAY saeed.farrokhpay@ferc.gov

samuel.r.sadler@state.or.us SANDRA ELY Sandra.ely@state.nm.us

ANNIE STANGE sas@a-klaw.com

SAM SADLER

SAKIS ASTERIADIS sasteriadis@apx.com

SEAN P. BEATTY sbeatty@cwclaw.com

C. SUSIE BERLIN sberlin@mccarthylaw.com

SHERYL CARTER scarter@nrdc.org

STEVEN M. COHN scohn@smud.org

SCOTT TOMASHEFSKY scott.tomashefsky@ncpa.com

SCOTT J. ANDERS scottanders@sandiego.edu

Steve Roscow scr@cpuc.ca.gov

SETH HILTON sdhilton@stoel.com

SHAUN ELLIS sellis@fypower.org

STEVE ENDO sendo@ci.pasadena.ca.us

SEPHRA A. NINOW sephra.ninow@energycenter.org

Scott Murtishaw sgm@cpuc.ca.gov

STEVEN G. LINS slins@ci.glendale.ca.us SEEMA SRINIVASAN sls@a-klaw.com

STEVEN S. MICHEL smichel@westernresources.org

SAMARA MINDEL smindel@knowledgeinenergy.co

Sara M. Kamins smk@cpuc.ca.gov

SID NEWSOME snewsom@semprautilities.com

SEBASTIEN CSAPO sscb@pge.com

SARA STECK MYERS ssmyers@att.net

STEVEN SCHILLER steve@schiller.com

STEVEN HUHMAN steven.huhman@morganstanley.

STEVEN S. SCHLEIMER steven.schleimer@barclayscapita 1.com

STEVEN KELLY steven@iepa.com

STEVEN MOSS steven@moss.net

Sean A. Simon svn@cpuc.ca.gov

SYMONE VONGDEUANE svongdeuane@semprasolutions.c

SOUMYA SASTRY svs6@pge.com

Christine S. Tam tam@cpuc.ca.gov

THERESA BURKE tburke@sfwater.org

TRENT A. CARLSON tcarlson@reliant.com

Theresa Cho tcx@cpuc.ca.gov

THOMAS DARTON tdarton@pilotpowergroup.com

TREVOR DILLARD tdillard@sierrapacific.com

TOM HAMILTON THAMILTON5@CHARTER.N ET

TAMLYN M. HUNT thunt@cecmail.org

TIFFANY RAU tiffany.rau@bp.com

TIM HEMIG tim.hemig@nrgenergy.com

TIMOTHY R. ODIL todil@mckennalong.com

R. THOMAS BEACH tomb@crossborderenergy.com

THOMAS DILL trdill@westernhubs.com

THEODORE ROBERTS troberts@sempra.com

VERONIQUE BUGNION vb@pointcarbon.com

VALERIE J. WINN vjw3@pge.com

VIRGIL WELCH vwelch@environmentaldefense.o

WILLIAM H. BOOTH wbooth@booth-law.com

RAYMOND J. CZAHAR, C.P.A. westgas@aol.com

Wade McCartney wsm@cpuc.ca.gov

WEBSTER TASAT wtasat@arb.ca.gov

WILLIAM W. WESTERFIELD. 111 www@eslawfirm.com

YVONNE GROSS ygross@sempraglobal.com

Tim G. Drew zap@cpuc.ca.gov

BALDASSARO DI CAPO California Independent System Operator 151 BLUE RAVINE ROAD FOLSOM, CA 95630

DOWNEY BRAND JANE E. LUCKHARDT Sacramento Municipal 555 CAPITOL MALL, 10TH **FLOOR** SACRAMENTO, CA 95814-4686

TARA KNOX AVISTA CORPORATION PO BOX 3727 SPOKANE, WA 99220

KAREN EDSON 151 BLUE RAVINE ROAD FOLSOM, CA 95630

MICHAEL WAUGH AIR RESOURCES BOARD 1001 10TH STREET SACRAMENTO, CA 95814

MARY MCDONALD DIRECTOR OF STATE AFFAIRS CALIFORNIA INDEPENDENT SYSTEM OPERATOR CAISO 151 BLUE RAVINE ROAD FOLSOM, CA 95630

PUC/X91153.v1